

Attorney Docket No. 10559-230001
Serial No.: 09/675,279
Preliminary Amendment filed July 9, 2004

Amendment to the Claims:

This listing of claims replaces all prior versions, and listings, of claims in the application:

1. (Currently amended) A method comprising:
specifying bandwidths for multiple layers of digital video as specified bandwidths;
forming multiple layers of digital video enhancement data, where each of said multiple layers having a respective said specified bandwidth, wherein said specifying comprises specifying a single bandwidth for each of said multiple layers, which specifies that each of the multiple layers have the same bandwidth.
2. (Original) The method of claim 1 wherein forming a layer of video enhancement data further comprises:
selecting a threshold value based upon the bandwidth requirements; and
generating a layer of video enhancement data based upon the threshold value.

Attorney Docket No. 10559-230001
Serial No.: 09/675,279
Preliminary Amendment filed July 9, 2004

3. (Original) The method of claim 2 further comprising:
transmitting the layer of video enhancement data over a
digital communication channel; and
transmitting the threshold value over the digital
communication channel.

4. (Currently amended) An article comprising a computer-
readable medium which stores computer-executable instructions
for video data processing, the instructions causing a machine
to:
specifying bandwidths for multiple layers of digital video;
form multiple layers of digital video enhancement data,
where each of said multiple layers having a respective specified
bandwidth, wherein said instructions to specify comprise
specifying a single bandwidth for each of the multiple layers,
which specifies that each of the multiple layers have the same
bandwidth.

5. (Original) The article of claim 4 wherein forming a
layer of video enhancement data further comprises:
selecting a threshold value based upon the bandwidth
requirements; and

Attorney Docket No. 10559-230001
Serial No.: 09/675,279
Preliminary Amendment filed July 9, 2004

generating a layer of video enhancement data based upon the threshold value.

6. (Original) The article of claim 5, the instructions further causing the machine to:

transmit the layer of video enhancement data over a digital communication channel; and

transmit the threshold value over the digital communication channel.

7. (Previously presented) A method comprising:
processing layers of digital video enhancement data to enhance a base video signal, the layers having substantially equal amounts of bandwidth, wherein each of said layers are digital values having substantially the same number of digital ones.

8. (Cancelled)

9. (Original) The method of claim 7 wherein the base video signal comprises a picture, and wherein each processed layer enhances the entire picture.

Attorney Docket No. 10559-230001
Serial No.: 09/675,279
Preliminary Amendment filed July 9, 2004

10. (Previously presented) An article comprising a computer-readable medium which stores computer-executable instructions for video data processing, the instructions causing a machine to:

process layers of digital video enhancement data to enhance a base video signal, the layers having approximately equal bandwidth requirements.

11. (Cancelled)

12. (Original) The article of claim 10 wherein the base video signal comprises a picture, and wherein each processed layer enhances the entire picture.

13. (Previously presented) A method comprising:
receiving a layer of digital video enhancement data that achieves a bandwidth requirement;
receiving a threshold value corresponding to the layer, wherein the layer comprises a '1' bit for each magnitude greater than or equal to the threshold value;
transmitting the threshold value over the digital communication channel; and

Attorney Docket No. 10559-230001
Serial No.: 09/675,279
Preliminary Amendment filed July 9, 2004

transmitting the layer over a digital communication channel wherein each of said layers are digital values having substantially the same number of digital ones.

14. (Original) The method of claim 13, wherein the layer of digital video enhancement data is a first layer of digital video enhancement data that achieves a first bandwidth requirement, the method further comprising:

receiving a second layer of digital video enhancement data that achieves a second bandwidth requirement, wherein the first bandwidth requirement is not equal to the second bandwidth requirement, and

transmitting the second layer over the digital communication channel.

15. (Cancelled)

16. (Previously presented) An article comprising a computer-readable medium which stores computer-executable instructions for video data processing, the instructions causing a machine to:

receive a layer of digital video enhancement data that achieves a bandwidth requirement;

Attorney Docket No. 10559-230001
Serial No.: 09/675,279
Preliminary Amendment filed July 9, 2004

receive a threshold value corresponding to the layer,
wherein the layer comprises a '1' bit for each magnitude greater
than or equal to the threshold value; and

transmit the threshold value over the digital communication
channel; and

transmit the layer over a digital communication channel,
wherein said receive comprises receiving layers of digital
enhancement data that each include substantially the same number
of digital ones.

17. (Original) The article of claim 16, wherein the layer
of digital video enhancement data is a first layer of digital
video enhancement data that achieves a first bandwidth
requirement, the instructions further causing a machine to:

receive a second layer of digital video enhancement data
that achieves a second bandwidth requirement, wherein the first
bandwidth requirement is not equal to the second bandwidth
requirement, and

transmit the second layer over the digital communication
channel.

18. (Cancelled)

Attorney Docket No. 10559-230001
Serial No.: 09/675,279
Preliminary Amendment filed July 9, 2004

19. (Currently amended) A method comprising:
generating from a source video sequence a digital base
video signal;
generating from the source video sequence a body of digital
video enhancement data; and
generating from the body of digital video enhancement data
plural layers of digital video enhancement data, which each
satisfy a specified bandwidth requirement, wherein the specified
bandwidth is substantially the same bandwidth for each of the
plural layers, which specifies that each of the multiple layers
have the same bandwidth.

20. (Original) The method of claim 19, wherein the body of
digital video enhancement data includes a plurality of
magnitudes, and wherein generating a layer of digital video
enhancement data comprises:

selecting a threshold value; and
forming a layer of digital video enhancement data
comprising a '1' bit for each magnitude greater than or equal to
the threshold value.

21 - 31. (Cancelled)

Attorney Docket No. 10559-230001
Serial No.: 09/675,279
Preliminary Amendment filed July 9, 2004

32. (Previously presented) A method as in claim 1, wherein said forming comprises forming multiple layers which have digital ones and digital zeros, and wherein each of said multiple layers include substantially the same number of digital ones.

33. (Cancelled)

34. (Previously presented) An article as in claim 4, wherein said instructions to form comprise forming multiple layers which have digital ones and digital zeros, and wherein each of the layers has a substantially similar number of digital ones.

35-39. (Cancelled)